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GENERAL DOCUMENTATION AND EVIDENCE HANDLING REQUIREMENTS – FORENSIC BIOLOGY SECTION PROCEDURE MANUAL, SECTION I	Issue No. 4
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<p>12 TISSUE ANALYSIS</p> <p>12.1 If appropriate, freeze the tissue until you are ready to proceed with the examination. Alternatively, a portion of the tissue sample may be collected on a swab and then preserved for possible future test.</p> <p>NOTE: Examination by a pathologist of the submitted tissue to determine the tissue type based on cellular structure may be helpful to the investigator. The item of evidence may be submitted to the Office of the Chief Medical Examiner by the examiner or submitted directly by the investigator.</p> <p>12.2 Working with only one item at a time to avoid sample mix-up and/or contamination, examine and describe the item. Diagrams and/or photographs may be helpful.</p> <p>12.3 If appropriate, test for blood, and record and report results.</p> <p>12.4 If appropriate, perform species origin testing, and record and report results.</p> <p>12.5 As appropriate, conduct DNA PCR-based typing.</p> <p>12.5.1 Conduct DNA PCR-based typing, record results, and report results and conclusions after comparing the profile(s) obtained to the appropriate known sample profiles. If a suspect is eliminated, but a profile believed to be that of the putative perpetrator is identified, conduct a DNA Data Bank search for a “match” to the profile, and report the results of the search.</p> <p>12.5.2 Conduct DNA PCR-based typing in the absence of a suspect (no suspect case), record results, conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator, and report the results of the search.</p> <p>12.5.3 When a case has a listed suspect but no known has been submitted conduct DNA PCR-based typing, record results, and conduct a DNA Data Bank search for a “match” to a profile believed to be that of the putative perpetrator. Report results and request the submission of appropriate known samples.</p> <p>12.6 If appropriate, forward evidence to another section for analysis.</p> <p>12.7 Return evidence to the primary examiner or to security for final disposition.</p> <p style="text-align: right;">◆END</p>	